

Attachment 4 Stormwater Flood Management Grant Proposal City of Redwood City Budget

Attachment 4 consists of the following items:

- ✓ **Budget.** Attachment 4 provides a budget estimate for each budget category row of the proposed project.

Introduction

This attachment presents detailed budget information and supporting documentation for the Bayfront Regional Flood Protection System Improvements and 5th Avenue Pump Station Project proposal. The project proposal offers tremendous investment value to the State for a number of reasons including:

- The proposal provides over 50%percent of funding from non-State sources, demonstrating there is a strong commitment to the implementation of this project.
- 100 percent of the grant funding request will be used directly for construction or construction-related activities.

A summary budget for the proposed project is provided in **Table 4-1** while **Table 4-2** provides a cost breakdown by Work Plan task and sub-task. **Tables 4-3** through **4-8** provide detailed budget breakdowns for each of the budget categories. The cost breakdown for each budget is provided for each of the budget categories included in the sample budget provided in Exhibit B of the Proposition 1E IRWM Proposal Solicitation Package and are consistent with the categories included in the Work Plan (provided in Attachment 3) and Schedule (provided in Attachment 5).

Table 4-1: Total Project Budget

Budget Category		(a) Non-State Share* (Funding Match)	(b) Requested Grant Funding	(c) Other State Funds Being Used	(d) Total	(e) % Funding Match
(a)	Direct Project Administration Costs	\$929,829	\$0	\$0	\$929,829	100%
(b)	Land Purchase/Easement	\$557,898	\$0	\$0	\$557,898	100%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$929,830	\$0	\$0	\$929,830	100%
(d)	Construction/Implementation	\$2,678,854	\$8,000,000	\$0	\$10,678,854	25%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$185,966	\$0	\$0	\$185,966	100%
(f)	Construction Administration	\$929,829	\$0	\$0	\$929,829	100%
(g)	Other Costs (Including Legal Costs, Permitting and Licenses)	\$185,966	\$0	\$0	\$185,966	100%
(h)	Construction Contingency	\$1,601,828	\$0	\$0	\$1,601,828	100%
(i)	Grand Total	\$8,000,000	\$8,000,000	\$0	\$16,000,000	50%
* Sources of funding: Local (non-State) Funding Match will be provided through CIP funds from the City of Redwood City.						

Table 4-2: Cost Breakdown by Work Plan Task and Subtask

Row/Task	Category	Total
Row (a)	Direct Project Administration Costs	\$929,829
Task 1	Project Administration	\$893,521
Task 2	Labor Compliance Program	\$36,308
Task 3	Reporting	Included in Task 1
Row (b)	Land Purchase Easement	\$557,989
Row (c)	Planning/Design/Engineering/Environmental Documentation	\$929,830
Task 4	Assessment and Evaluation	\$0
Task 5	Final Design	\$883,338
Task 6	Environmental Documentation	\$46,491
Row (d)	Construction	\$10,678,854
Task 7	Construction Contracting	Included in Task 8
Task 8	Construction	\$10,678,854
Row (e)	Environmental Compliance/Mitigation/Enhancement	\$185,966
Task 9	Environmental Compliance/Mitigation/Enhancement	\$185,966
Row (f)	Construction Administration	\$929,829
Task 10	Construction Administration	\$929,829
Row (g)	Other Costs	\$185,966
Task 11	Permitting, Legal Costs, and Licenses	\$185,966
Row (h)	Construction Contingency	\$1,601,828
Row (i)	Grand Total	\$16,000,000

Row (a) Direct Project Administration Costs

Task 1 – Project Administration:

Administration Costs of \$893,521 were determined based on previous project experience with similar construction projects. These costs account for all project administrative activities and reporting tasks. The estimate cost breakdown is shown in **Table 4-4**.

Task 2 – Labor Compliance Program:

Labor Compliance Program (LCP) Costs were allocated \$36,308, as presented in **Table 4-4**. The cost was calculated based on an estimated 0.34 percent fee of the project construction costs. The allocated costs will be used to contract a third party LCP.

Task 3 – Reporting:

Reporting costs are included under **Task 1** Project Administration Costs.

Table 4-4: Row (a) Direct Project Administration Budget

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Project Manager	Lump Sum Estimate	Lump Sum Estimate	\$893,521
Labor Compliance Program	Lump Sum Estimate	Lump Sum Estimate	\$36,308
Total			\$929,829

Row (b) Land Purchase/Easement

\$557,989 is the estimated amount allocated for the easement acquisition for component 1 of the proposed project.

Row (c) Planning/Design/Engineering/Environmental Documentation

Task 4 – Assessment and Evaluation:

Assessment and Evaluation Studies were all completed before September 30, 2008 and none are planned as part of future project work, nor are they being included as part of the funding match. Therefore, there is no budget allocated under this task.

Task 5 – Final Design:

Final Design costs are estimated to be \$883,338 for both components of the project based on previous project experience with similar construction projects.

Task 6 – Environmental Documentation:

Environmental Documentation is allocated \$46,491 for the application/filing of a CEQA Exemption for Component 1 of the project and for all CEQA compliance tasks for Component 2 of the project.

Table 4-5: Row (c) Planning/Design/Engineering/Environmental Documentation Budget

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Final Design			
Final Design for Both Projects	Lump Sum Estimate	Lump Sum Estimate	\$883,338
CEQA/NEPA Documentation			
CEQA Environmental	Lump Sum Estimate	Lump Sum Estimate	\$46,491
Total			\$929,829

Row (d) Construction

Task 7 – Construction Contracting:

Construction contracting costs are included in the labor costs under Task 8 for each component of the project, as presented in **Table 4-6**.

Task 8 – Construction:

The Project Construction estimate of \$10,678,854 is based on preliminary cost estimates developed for Component 1 in 2004 and Component 2 in 2003. The cost estimates were converted to 2009 dollars as presented in **Table 4-6**. For further details on construction labor, materials, and equipment see documents at the end of the attachment.

Table 4-6: Row (d) Construction Costs

Labor			
Labor	Unit Costs (\$)	Number of Units	Total
Component 1- Pump Station	Lump Sum Estimate	Lump Sum Estimate	\$565,000
Component 2- Flood Wall	Lump Sum Estimate	Lump Sum Estimate	\$2,214,001
Subtotal			\$2,779,001
Materials			
Materials	Hourly Wage (\$)	Number of hours	Total
Component 1- Pump Station	Lump Sum Estimate	Lump Sum Estimate	\$1,469,000
Component 2- Flood Wall	Lump Sum Estimate	Lump Sum Estimate	\$5,583,670
Subtotal			\$7,052,670
Equipment			
Equipment	Hourly Wage (\$)	Number of hours	Total
Component 1- Pump Station	Lump Sum Estimate	Lump Sum Estimate	\$226,000
Component 2- Flood Wall	Lump Sum Estimate	Lump Sum Estimate	\$621,183
Subtotal			\$847,183
Component 1 Total			\$2,260,000
Component 2 Total			\$8,418,854
Project Total			\$10,678,854

Row (e) Environmental Compliance/Mitigation/Enhancement

Task 9- Environmental Compliance/Mitigation/Enhancement:

Environmental Compliance/Mitigation/Enhancement activities are allocated \$185,966. This is an estimate based from similar projects that required mitigation for noise reduction measures, and a dust control plan and hazardous materials contingency plan. The allocated costs are to cover any other environmental compliance and mitigation activities that have yet to be identified.

Row (f) Construction Administration

Task 10- Construction Administration:

Construction Administration costs is estimated to be \$929,829 based on the City's experience with similar projects. The costs will cover the hire of construction management services, general administration, and project management activities.

Row (g) Other Costs

Task 11 – Permitting, Legal Costs, and Licenses:

For the Other Costs, \$185,966 were allocated for this task based on similar projects that required permitting. The costs will cover any required permits that are identified by the CEQA process for Component 2 of the Project.

Row (h) Construction Contingency

The construction/implementation contingency percentage applied for each of the project components is 15% of the respective total anticipated construction costs. The contingency cost breakdown for each project component is detailed in **Table 4-7**. The contingency costs include funds to handle unknown and unspecified conditions encountered during construction or implementation of the project.

Table 4-7: Row (a) Direct Project Administration Budget

Contingency	Percent	Contingency Cost
Component 1- Pump Station	15%	\$339,000
Component 2- Sheet Pile Flood wall	15%	\$1,262,828
Contingency Total		\$1,601,828

Row (i) Grand Total

The anticipated total project cost is \$16 million as summarized by the budget category breakdown below in **Table 4-8**.

Table 4-8: Row (i) Grand Total Costs

Row	Budget Category	Total Costs
(a)	Direct Project Administration Costs	\$929,829
(b)	Land Purchase/Easement	\$557,898
(c)	Planning/Design/Engineering/ Environmental Documentation	\$929,830
(d)	Construction/Implementation	\$10,678,854
(e)	Environmental Compliance/ Mitigation/Enhancement	\$185,966
(f)	Construction Administration	\$929,829
(g)	Other Costs (Including Legal Costs, Permitting and Licenses)	\$185,966
(h)	Construction/Implementation Contingency	\$1,601,828
(i)	Grand Total	\$16,000,000

